

Rec'd PCT/PTO 26 JAN 2005

10/506301

RAW SEQUENCE LISTING

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Application Serial Number: 10/506301  
Source: PCT  
Date Processed by STIC: 1-26-05

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PCT

## RAW SEQUENCE LISTING

DATE: 01/26/2005

PATENT APPLICATION: US/10/506,301

TIME: 12:45:46

Input Set : A:\X15199.txt

Output Set: N:\CRF4\01262005\J506301.raw

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3 <110> APPLICANT: Gopalrathnam, Ganapathy
4   Huang, Lihua
5   Riggin, Ralph M
6   Sheliga, Theodore A.
8 <120> TITLE OF INVENTION: Activated Protein C Formulations
10 <130> FILE REFERENCE: X15199
12 <140> CURRENT APPLICATION NUMBER: 10/506,301
13 <141> CURRENT FILING DATE: 2004-09-01
15 <150> PRIOR APPLICATION NUMBER: PCT/US03/05046
16 <151> PRIOR FILING DATE: 2003-02-27
18 <160> NUMBER OF SEQ ID NOS: 3
20 <170> SOFTWARE: PatentIn version 3.3
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 410
24 <212> TYPE: PRT
25 <213> ORGANISM: Homo sapiens
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34      20      25      30
37 Ser Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro Leu Glu His
38      35      40      45
41 Pro Cys Ala Ser Leu Cys Cys Gly His Gly Thr Cys Ile Asp Gly Ile
42      50      55      60
45 Gly Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly Arg Phe Cys
46 65      70      75      80
49 Gln Arg Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys
50      85      90      95
53 Thr His Tyr Cys Leu Glu Glu Val Gly Trp Arg Arg Cys Ser Cys Ala
54      100     105     110
57 Pro Gly Tyr Lys Leu Gly Asp Asp Leu Leu Gln Cys His Pro Ala Val
58      115     120     125
61 Lys Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys Lys Arg Ser
62      130     135     140
65 His Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val Asp Pro Arg
66 145     150     155     160
69 Leu Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro Trp Gln Val
70      165     170     175
73 Val Leu Leu Asp Ser Lys Lys Lys Leu Ala Cys Gly Ala Val Leu Ile
74      180     185     190
77 His Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp Glu Ser Lys
78      195     200     205

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81 Lys Leu Leu Val Arg Leu Gly Glu Tyr Asp Leu Arg Arg Trp Glu Lys
82      210                      215                      220
85 Trp Glu Leu Asp Leu Asp Ile Lys Glu Val Phe Val His Pro Asn Tyr
86 225                      230                      235                      240
89 Ser Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His Leu Ala Gln
90      245                      250                      255
93 Pro Ala Thr Leu Ser Gln Thr Ile Val Pro Ile Cys Leu Pro Asp Ser
94      260                      265                      270
97 Gly Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu Thr Leu Val
98      275                      280                      285
101 Thr Gly Trp Gly Tyr His Ser Ser Arg Glu Lys Glu Ala Lys Arg Asn
102      290                      295                      300
105 Arg Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val Pro His Asn
106 305                      310                      315                      320
109 Glu Cys Ser Glu Val Met Ser Asn Met Val Ser Glu Asn Met Leu Cys
110      325                      330                      335
113 Ala Gly Ile Leu Gly Asp Arg Gln Asp Ala Cys Glu Gly Asp Ser Gly
114      340                      345                      350
117 Gly Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu Val Gly Leu
118      355                      360                      365
121 Val Ser Trp Gly Glu Gly Cys Gly Leu Leu His Asn Tyr Gly Val Tyr
122      370                      375                      380
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134 <211> LENGTH: 409
135 <212> TYPE: PRT
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145      20      25      30
148 Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro Leu Glu His Pro
149      35      40      45
152 Cys Ala Ser Leu Cys Cys Gly His Gly Thr Cys Ile Asp Gly Ile Gly
153      50      55      60
156 Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly Arg Phe Cys Gln
157 65      70      75      80
160 Arg Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr
161      85      90      95
164 His Tyr Cys Leu Glu Glu Val Gly Trp Arg Arg Cys Ser Cys Ala Pro
165      100     105     110
168 Gly Tyr Lys Leu Gly Asp Asp Leu Leu Gln Cys His Pro Ala Val Lys
169      115     120     125
172 Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys Lys Arg Ser His
173      130     135     140

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176 Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val Asp Pro Arg Leu
177 145 150 155 160
180 Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro Trp Gln Val Val
181 165 170 175
184 Leu Leu Asp Ser Lys Lys Lys Leu Ala Cys Gly Ala Val Leu Ile His
185 180 185 190
188 Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp Glu Ser Lys Lys
189 195 200 205
192 Leu Leu Val Arg Leu Gly Glu Tyr Asp Leu Arg Arg Trp Glu Lys Trp
193 210 215 220
196 Glu Leu Asp Leu Asp Ile Lys Glu Val Phe Val His Pro Asn Tyr Ser
197 225 230 235 240
200 Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His Leu Ala Gln Pro
201 245 250 255
204 Ala Thr Leu Ser Gln Thr Ile Val Pro Ile Cys Leu Pro Asp Ser Gly
205 260 265 270
208 Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu Thr Leu Val Thr
209 275 280 285
212 Gly Trp Gly Tyr His Ser Ser Arg Glu Lys Glu Ala Lys Arg Asn Arg
213 290 295 300
216 Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val Pro His Asn Glu
217 305 310 315 320
220 Cys Ser Glu Val Met Ser Asn Met Val Ser Glu Asn Met Leu Cys Ala
221 325 330 335
224 Gly Ile Leu Gly Asp Arg Gln Asp Ala Cys Glu Gly Asp Ser Gly Gly
225 340 345 350
228 Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu Val Gly Leu Val
229 355 360 365
232 Ser Trp Gly Glu Gly Cys Gly Leu Leu His Asn Tyr Gly Val Tyr Thr
233 370 375 380
236 Lys Val Ser Arg Tyr Leu Asp Trp Ile His Gly His Ile Arg Asp Lys
237 385 390 395 400
240 Glu Ala Pro Gln Lys Ser Trp Ala Pro
241 405
244 <210> SEQ ID NO: 3
245 <211> LENGTH: 419
246 <212> TYPE: PRT
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 3
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255 Cys Ile Glu Glu Ile Cys Asp Phe Glu Glu Ala Lys Glu Ile Phe Gln
256 20 25 30
259 Asn Val Asp Asp Thr Leu Ala Phe Trp Ser Lys His Val Asp Gly Asp
260 35 40 45
263 Gln Cys Leu Val Leu Pro Leu Glu His Pro Cys Ala Ser Leu Cys Cys
264 50 55 60
267 Gly His Gly Thr Cys Ile Asp Gly Ile Gly Ser Phe Ser Cys Asp Cys
268 65 70 75 80

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271 Arg Ser Gly Trp Glu Gly Arg Phe Cys Gln Arg Glu Val Ser Phe Leu
272      85      90      95
275 Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr His Tyr Cys Leu Glu Glu
276      100      105      110
279 Val Gly Trp Arg Arg Cys Ser Cys Ala Pro Gly Tyr Lys Leu Gly Asp
280      115      120      125
283 Asp Leu Leu Gln Cys His Pro Ala Val Lys Phe Pro Cys Gly Arg Pro
284      130      135      140
287 Trp Lys Arg Met Glu Lys Lys Arg Ser His Leu Lys Arg Asp Thr Glu
288 145      150      155      160
291 Asp Gln Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys Met Thr
292      165      170      175
295 Arg Arg Gly Asp Ser Pro Trp Gln Val Val Leu Leu Asp Ser Lys Lys
296      180      185      190
299 Lys Leu Ala Cys Gly Ala Val Leu Ile His Pro Ser Trp Val Leu Thr
300      195      200      205
303 Ala Ala His Cys Met Asp Glu Ser Lys Lys Leu Leu Val Arg Leu Gly
304      210      215      220
307 Glu Tyr Asp Leu Arg Arg Trp Glu Lys Trp Glu Leu Asp Leu Asp Ile
308 225      230      235      240
311 Lys Glu Val Phe Val His Pro Asn Tyr Ser Lys Ser Thr Thr Asp Asn
312      245      250      255
315 Asp Ile Ala Leu Leu His Leu Ala Gln Pro Ala Thr Leu Ser Gln Thr
316      260      265      270
319 Ile Val Pro Ile Cys Leu Pro Asp Ser Gly Leu Ala Glu Arg Glu Leu
320      275      280      285
323 Asn Gln Ala Gly Gln Glu Thr Leu Val Thr Gly Trp Gly Tyr His Ser
324      290      295      300
327 Ser Arg Glu Lys Glu Ala Lys Arg Asn Arg Thr Phe Val Leu Asn Phe
328 305      310      315      320
331 Ile Lys Ile Pro Val Val Pro His Asn Glu Cys Ser Glu Val Met Ser
332      325      330      335
335 Asn Met Val Ser Glu Asn Met Leu Cys Ala Gly Ile Leu Gly Asp Arg
336      340      345      350
339 Gln Asp Ala Cys Glu Gly Asp Ser Gly Gly Pro Met Val Ala Ser Phe
340      355      360      365
343 His Gly Thr Trp Phe Leu Val Gly Leu Val Ser Trp Gly Glu Gly Cys
344      370      375      380
347 Gly Leu Leu His Asn Tyr Gly Val Tyr Thr Lys Val Ser Arg Tyr Leu
348 385      390      395      400
351 Asp Trp Ile His Gly His Ile Arg Asp Lys Glu Ala Pro Gln Lys Ser
352      405      410      415
355 Trp Ala Pro

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/506,301

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